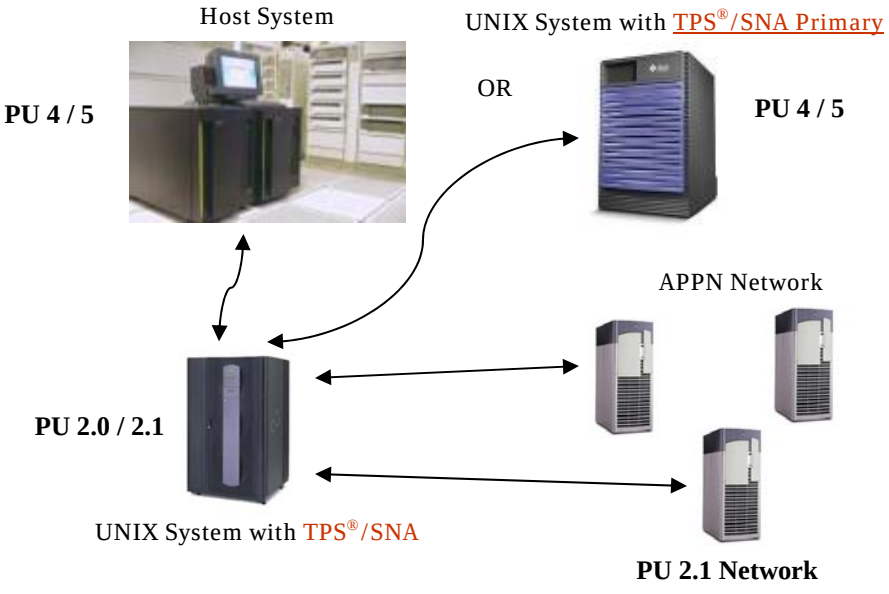
TPS®/SNA
Systems Network Architecture

TPS®/SNA (Systems Network Architecture) is a full-featured SNA implementation for both traditional hierarchical subarea networks (PU 4 / 5 to PU 2.0) and peer-to-peer networks (PU 2.1). LU support includes dependent support for LUs 0, 1, 2, 3, 4, 7 and dependent and independent LU support for LU 6.2. TPS®/SNA supports multiple links (PUs) and data link types on the same system (limited only by the number and type of hardware adapters on the system). Data link types supported include: SDLC, Token Ring, Ethernet, or Data Link Switching—DLSw (Switch-to-Switch Protocol).

TPS®/SNA provides a full set of standard SNA APIs, including CPI-C (Common Programming Interface - Communications), APPC (Advanced Program-to-Program Communications) and dependant LU API for LU types 0, 1, 2, 3, 4, and 7. Developers can then write user application programs to interface directly with host applications. TPS®/SNA can also be used with TPS®/SNA Primary to create a 'Virtual SNA Mainframe' so you can migrate your host applications to the UNIX® platforms.

TPS®/SNA works with TPS®/3270 emulation, TPS®/RJE (Remote Job Entry), and many other networking software applications to provide exceptional client-to-host connectivity. TPS®/SNA can also be used with TPS®/TN3270 Server to create an Internet TN3270 gateway environment.

TPS®/SNA is not only exceptionally reliable, but it makes host connectivity economical and easy.



HIGHLIGHTS

- Full-featured SNA software platform for connecting to upstream SNA Hosts and APPN networks
- Supports Application Program Interfaces (APIs) for LU 6.2 (CPI-C and APPN) and for Dependant LU types 0, 1, 2, 3, 4, and 7
- Supports a wide range of data link connection types including SDLC, Token Ring, Ethernet, Data Link Switching - DLSw (Switch-to-Switch Protocol)
- Very easy installation and configuration
- Can be used with TPS®/SNA Primary to provide a 'Virtual SNA Mainframe'
- Low system resource requirements
- High reliability and performance
- Interfaces with a full set of SNA applications
- Advanced diagnostic tools for problem determination
- From TPS® Systems — with 25+ year tradition of excellence in providing network software and support for large global enterprises

PRODUCT POSITIONING

TPS®/SNA is an ideal solution for SNA connectivity in distributed UNIX® networks. In addition to being full-featured, ultra-reliable and delivering maximum performance with minimum system overhead, TPS®/SNA is very competitively priced.

TPS®/SNA can be used with TPS®/SNA Primary to simulate a 'Virtual SNA Mainframe'. Ideal for company looking to replace their mainframe or write customized applications. With TPS®/SNA API support, TPS®/SNA is an excellent fit for developing SNA applications.

Do you have TN3270 Clients that need to connect to TN3270 Server but the Host connection is SNA? TPS®/SNA can be used with TPS®/TN3270 Server to create an Internet TN3270 gateway environment.

FEATURES

Data-Link Protocol Support

TPS®/SNA supports many data link types:

- Synchronous Data Link Control (SDLC)
  - Leased or switched connections
  - RS-232, RS-422, V.35, V.25, and SmartModem
- Token Ring
  - IEEE 802.2 LLC
  - IEEE 802.5
  - Multiple connections per Token Ring supported
- Ethernet
  - IEEE 802.2 LLC
  - IEEE 802.3 Ethernet or Standard Ethernet
  - Multiple connections per Ethernet supported
- DLSw - Data Link Switching connection (SSP - Switch to Switch Protocol)
  - Uses TCP/IP connection
  - PU connection to DLSw router using SSP

SNA PU Protocols

- PU type 2.0 support (connection to host PU 4/5)
  - Up to 255 dependent LUs per PU
- PU type 2.1 support (connection to APPN networks or host PU 4/5 systems)
  - Up to 10,000 independent LU sessions
  - APPN LEN node support
  - APPN EN node support
  - APPN NN node support

SNA LU Protocols

- Dependent LU support for LUs 0, 1, 2, 3, 4, and 7
- Dependent and independent LU support for LU 6.2

TPS® SYSTEMS

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SNA APIs

- CPI-C (Common Programming Interface - Communications) for both C and COBOL languages
- APPC (Advanced Program-to-Program Communications) (IBM® Implementation only)
- Dependent LU API for LU types 0, 1, 2, 3, 4, and 7

Management Systems

TPS®/SNA is designed for straightforward central site installation/deployment and efficient ongoing manageability. A Management Subsystem provides:

- Installation using the operating system's standard facilities
- Quick and easy configuration
- Full SNA and PU status display
- Error logs
- Complete trace facilities including fully formatted output

Additional Features

- LU prioritization by address or COS
- Multiple PUs on Token Ring or Ethernet
- Conversion utility that transfers configurations from IBM SNA Server for AIX

Network Availability & Resiliency

TPS®/SNA provides automatic link restart and standard link error recovery procedures to support mission-critical networks.

EVALUATION LICENSES

Evaluation copies of TPS® software products are available for a pre-specified timeframe under the terms and conditions of the single-page TPS® Evaluation Agreement.

OPERATING ENVIRNOMENT

Operating System:

- IBM® AIX® *for* IBM® pSeries (32 / 64-bit)
- Linux® *for* IBM pSeries, Intel®/AMD®(32-bit), Intel® Itanium (64-bit)
- HP-UX™ *for* HP9000 (32 / 64-bit)
- HP-UX™ *for* HP Integrity (64-bit)
- Sun Solaris® *for* Sparc (32 / 64-bit)
- SCO OpenServer5®

Other Requirements:

- A supported communications adapter driver